

WQB "Wide Aperture Quad" for Main Injector

09 June 2005, 9:00 AM

IB2 conference room

Attendees: Linda Alsip, TJ Gardner, Bill Robotham, Linda Valerio, John Zweibohmer

Design

The details of the manifold and bus design have been released for procurement. Special unions which adapt from the rectangular copper to round pipe have been developed and are being produced by our tooling group. This group also performs the swaging activity on the beam tube and have produced a sample from the tubes we purchased.

Linda Valerio suggested that her design of beam detector might weld directly to the beam tube as opposed using an adapter flange. She will review all of the tunnel positions these magnets will occupy to determine if this is a reasonable direction and report next meeting. The procurement of her beam detector components were delayed due to detail drafting re-assignments.

Fabrication

The third pair of coils were successfully potted. During the dry fit-up of the coil and core assembly, it was discovered that an interference existed between the coil and the quarter core end plates. The stacked cores were shipped to the VMS to add a relief to the end plates. Once returned, we continued with the assembly and now have four coils and cores assembled. This activity added (6) days to the schedule. Core stacking will resume when reworked end plates become available.

Schedule

The reworking of the quarter cores added (6) days to the schedule (line 79 to line 80). The schedule now depicts shipment of the first unit to MTF on 7/8/05. It is worth noting that some contingency remains in the magnet assembly effort (10 days on line 87), so we continue to ask that MTF be prepared to accept this magnet anytime during 6/29/05 and 7/8/05.

Next meeting? June 23 is DASTOW 2005. As this is a critical time is producing the first unit, I might suggest a meeting NEXT week June 16 and two weeks after that, June 30.
Comments? 9:00 AM, IB2 Conference Room